SEQUENCE LISTING

<110> Walke, D. Wade
      Turner, C. Alexander Jr.
      Abuin, Alejandro
      Friedrich, Glenn
      Zambrowicz, Brian
      Sands, Arthur T.

<120> Novel Human Proteases and
   Polynucleotides Encoding the Same

<130> LEX-0108-USA

<150> US 60/171,566
<151> 1999-12-22

<160> 7

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 921
<212> DNA
<213> Homo sapiens

<400> 1
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ctggttaagg tacagccttg gaattatttt aacattttca gtcgcattct tggaggaagc     180
caagtggaga agggttccta tccctggcag gtatctctga aacaaaggca gaagcatatt     240
tgtggaggaa gcatcgtctc accacagtgg gtgatcacgg cggctcactg cattgcaaac     300
agaaacattg tgtctacttt gaatgttact gctggagagt atgacttaag ccagacagac     360
ccaggagagc aaactctcac tattgaaact gtcatcatac atccacattt ctccaccaag     420
aaaccaatgg actatgatat tgccctttg aagatggctg gagccttcca atttggccac     480
tttgtggggc ccatatgtct tccagagctg cgggagcaat ttgaggctgg ttttatttgt     540
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gtgaatctgc ctattttgac ctgggaagag tgtgtggcag ctctgttaac actaaagagg     660
cccatcagtg ggaagacctt tctttgcaca ggttttcctg atggagggag agacgcatgt     720
cagggagatt caggaggttc actcatgtgc cggaataaga aaggggcctg gactctggct     780
ggtgtgactt cctggggttt gggctgtggt cgaggctgga gaaacaatgt gaggaaaagt     840
gatcaaggat cccctgggat cttcacagac attagtaaag tgctttcctg gatccacgaa     900
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<210> 2
<211> 306
<212> PRT
<213> Homo sapiens

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Lys Ala Pro Ser Cys Gly Gln Ser Leu Val Lys Val Gln Pro Trp Asn

Tyr Phe Asn Ile Phe Ser Arg Ile Leu Gly Gly Ser Gln Val Glu Lys
     50   55   60
Gly Ser Tyr Pro Trp Gln Val Ser Leu Lys Gln Arg Gln Lys His Ile
65   70   75   80
Cys Gly Gly Ser Ile Val Ser Pro Gln Trp Val Ile Thr Ala Ala His
                    85   90   95
Cys Ile Ala Asn Arg Asn Ile Val Ser Thr Leu Asn Val Thr Ala Gly
               100   105   110
Glu Tyr Asp Leu Ser Gln Thr Asp Pro Gly Glu Gln Thr Leu Thr Ile
          115   120   125
Glu Thr Val Ile Ile His Pro His Phe Ser Thr Lys Lys Pro Met Asp
     130   135   140
Tyr Asp Ile Ala Leu Leu Lys Met Ala Gly Ala Phe Gln Phe Gly His
145   150   155   160
Phe Val Gly Pro Ile Cys Leu Pro Glu Leu Arg Glu Gln Phe Glu Ala
                    165   170   175
Gly Phe Ile Cys Thr Thr Ala Gly Trp Gly Arg Leu Thr Glu Gly Gly
               180   185   190
Val Leu Ser Gln Val Leu Gln Glu Val Asn Leu Pro Ile Leu Thr Trp
          195   200   205
Glu Glu Cys Val Ala Ala Leu Leu Thr Leu Lys Arg Pro Ile Ser Gly
     210   215   220
Lys Thr Phe Leu Cys Thr Gly Phe Pro Asp Gly Gly Arg Asp Ala Cys
225   230   235   240
Gln Gly Asp Ser Gly Gly Ser Leu Met Cys Arg Asn Lys Lys Gly Ala
                    245   250   255
Trp Thr Leu Ala Gly Val Thr Ser Trp Gly Leu Gly Cys Gly Arg Gly
               260   265   270
Trp Arg Asn Asn Val Arg Lys Ser Asp Gln Gly Ser Pro Gly Ile Phe
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Thr Asp Ile Ser Lys Val Leu Ser Trp Ile His Glu His Ile Gln Thr
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Gly Asn
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<210> 3
<211> 909
<212> DNA
<213> Homo sapiens

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cagccttgga attattttaa catttttcagt cgcattcttg gaggaagcca agtggagaag   180
ggttcctatc cctggcaggt atctctgaaa caaaggcaga agcatatttg tggaggaagc   240
atcgtctcac cacagtgggt gatcacggcg gctcactgca ttgcaaacag aaacattgtg   300
tctactttga atgttactgc tggagagtat gacttaagcc agacagaccc aggagagcaa   360
actctcacta ttgaaactgt catcatacat ccacatttct ccaccaagaa accaatggac   420
tatgatattg ccctttttgaa gatggctgga gccttccaat ttggccactt gtggggccc   480
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tggggccgct taactgaagg tggcgtcctc tcacaagtct tgcaggaagt gaatctgcct   600
attttgacct gggaagagtg tgtggcagct ctgttaacac taaagaggcc catcagtggg   660
aagaccttc tttgcacagg ttttcctgat ggagggagag acgcatgtca gggagattca   720
ggaggttcac tcatgtgccg gaataagaaa ggggcctgga ctctggctgg tgtgacttcc   780
tggggtttgg gctgtggtcg aggctggaga aacaatgtga ggaaaagtga tcaaggatcc   840

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<210> 4
<211> 302
<212> PRT
<213> Homo sapiens

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Phe Glu Arg Gly Lys Ser Ala Ala Leu Ser Leu Pro Lys Ala Pro Ser
             20   25   30
Cys Gly Gln Ser Leu Val Lys Val Gln Pro Trp Asn Tyr Phe Asn Ile
             35   40   45
Phe Ser Arg Ile Leu Gly Gly Ser Gln Val Glu Lys Gly Ser Tyr Pro
         50   55   60
Trp Gln Val Ser Leu Lys Gln Arg Gln Lys His Ile Cys Gly Gly Ser
65   70   75   80
Ile Val Ser Pro Gln Trp Val Ile Thr Ala Ala His Cys Ile Ala Asn
                 85   90   95
Arg Asn Ile Val Ser Thr Leu Asn Val Thr Ala Gly Glu Tyr Asp Leu
            100   105   110
Ser Gln Thr Asp Pro Gly Glu Gln Thr Leu Thr Ile Glu Thr Val Ile
            115   120   125
Ile His Pro His Phe Ser Thr Lys Lys Pro Met Asp Tyr Asp Ile Ala
            130   135   140
Leu Leu Lys Met Ala Gly Ala Phe Gln Phe Gly His Phe Val Gly Pro
145   150   155   160
Ile Cys Leu Pro Glu Leu Arg Glu Gln Phe Glu Ala Gly Phe Ile Cys
                165   170   175
Thr Thr Ala Gly Trp Gly Arg Leu Thr Glu Gly Gly Val Leu Ser Gln
            180   185   190
Val Leu Gln Glu Val Asn Leu Pro Ile Leu Thr Trp Glu Glu Cys Val
            195   200   205
Ala Ala Leu Leu Thr Leu Lys Arg Pro Ile Ser Gly Lys Thr Phe Leu
            210   215   220
Cys Thr Gly Phe Pro Asp Gly Gly Arg Asp Ala Cys Gln Gly Asp Ser
225   230   235   240
Gly Gly Ser Leu Met Cys Arg Asn Lys Lys Gly Ala Trp Thr Leu Ala
                245   250   255
Gly Val Thr Ser Trp Gly Leu Gly Cys Gly Arg Gly Trp Arg Asn Asn
            260   265   270
Val Arg Lys Ser Asp Gln Gly Ser Pro Gly Ile Phe Thr Asp Ile Ser
            275   280   285
Lys Val Leu Ser Trp Ile His Glu His Ile Gln Thr Gly Asn
            290   295   300

<210> 5
<211> 495
<212> DNA
<213> Homo sapiens

<400> 5
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3

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gcaggctggg gccgcttaac tgaaggtggc gtcctctcac aagtcttgca ggaagtgaat    180
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agtgggaaga cctttctttg cacaggtttt cctgatggag ggagagacgc atgtcaggga    300
gattcaggag gttcactcat gtgccggaat aagaaagggg cctggactct ggctggtgtg    360
acttcctggg gtttgggctg tggtcgaggc tggagaaaca atgtgaggaa aagtgatcaa    420
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<210> 6
<211> 164
<212> PRT
<213> Homo sapiens

<400> 6

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            20                  25                  30
Glu Ala Gly Phe Ile Cys Thr Thr Ala Gly Trp Gly Arg Leu Thr Glu
        35                  40                  45
Gly Gly Val Leu Ser Gln Val Leu Gln Glu Val Asn Leu Pro Ile Leu
    50                  55                  60
Thr Trp Glu Glu Cys Val Ala Ala Leu Leu Thr Leu Lys Arg Pro Ile
65                  70                  75                  80
Ser Gly Lys Thr Phe Leu Cys Thr Gly Phe Pro Asp Gly Gly Arg Asp
                85                  90                  95
Ala Cys Gln Gly Asp Ser Gly Gly Ser Leu Met Cys Arg Asn Lys Lys
            100                 105                 110
Gly Ala Trp Thr Leu Ala Gly Val Thr Ser Trp Gly Leu Gly Cys Gly
            115                 120                 125
Arg Gly Trp Arg Asn Asn Val Arg Lys Ser Asp Gln Gly Ser Pro Gly
        130                 135                 140
Ile Phe Thr Asp Ile Ser Lys Val Leu Ser Trp Ile His Glu His Ile
145                 150                 155                 160
Gln Thr Gly Asn
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<210> 7
<211> 1568
<212> DNA
<213> Homo sapiens

<400> 7

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ttccatttca ggtgtcgtga aaagcttgaa ttcggcgcgc cagatatcac acgtgccaag    180
ggactggctc aaaggcttcc tattttttgtt tgctttagtc tctctaaaat ttcagggaaa    240
aactatgagt ctcaaaatgc ttataagcag gaacaagctg attttactac taggaatagt    300
cttttttgaa craggtaaat ctgcarctct ttcgctcccc aaagctccca gttgtgggca    360
gagtctggtt aaggtacagc cttggaatta ttttaacatt ttcagtcgca ttcttggagg    420
aagccaagtg gagaagggtt cctatccctg gcaggtatct ctgaaacaaa ggcagaagca    480
tatttgtgga ggaagcatcg tctcaccaca gtgggtgatc acgcggctc actgcattgc    540
aaacagaaac attgtgtcta ctttgaatgt tactgctgga gagtatgact taagccagac    600
agacccagga gagcaaactc tcactattga aactgtcatc atacatccac atttctccac    660
caagaaacca atggactatg atattgccct tttgaagatg gctggagcct tccaatttgg    720
ccactttgtg gggcccatat gtcttccaga gctgcgggag caatttgagg ctggtttttat    780
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                                4
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gaggcccatc agtgggaaga cctttctttg cacaggtttt cctgatggag ggagagacgc      960
atgtcaggga gattcaggag gttcactcat gtgccggaat aagaaagggg cctggactct     1020
ggctggtgtg acttcctggg gtttgggctg tggtcgaggc tggagaaaca atgtgaggaa     1080
aagtgatcaa ggatcccctg ggatcttcac agacattagt aaagtgcttt cctggatcca     1140
cgaacacatc caaactggta actaagccat cacacaaggt taagaagctg ccattctgct     1200
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tacctctgtt ctcagtgtag cacacaagga ttgtgaggtt taccaagtct aaataaaaca     1320
agagtaaaat atggtaaaaa aaaaaaaaaa aaaaaaatgt ggagcagcat gcagatattc     1380
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agttatca                                                              1568
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